

**ACCEPTABLE TEST INSTRUMENTS FOR COLOR VISION SCREENING OF ATCS**  
(FAA EMPLOYEE 2152 SERIES and CONTRACT TOWER ATCSs)

Color Vision Test	Does not meet the standard (fails) if:	Supplier
Richmond-HRR, 4th edition All Ishihara test plates approved for airmen:	Any error on plates 5-10	Richmond Products Ishihara
14-Plate (plates 1-11)	More than 6 errors on plates 1-11	
24-Plate (plates 1-15)	More than 2 errors on plates 1-15	
38-Plate (plates 1-21)	More than 4 errors on plates 1-21	
Keystone View Telebinocular Titmus testers approved for airmen: Titmus	No errors on the 6 total trials on plates 4 and 5 Any errors on any of the 6 plates	Keystone View Titmus
OPTEC 2000	Any errors on any of the 6 Stereo Optical Co., Inc., plates	Stereo Optical Co., Inc.
AOC-HRR, 2nd, 1-11	Any errors on plates 5-10	Richmond Products
Dvorine 2nd Edition	More than 2 errors on plates 1-15	Richmond Products

**Special Instructions**

Test Administration	The Examiner must document the color vision test instrument used, version, answer sheet with the actual subject responses and the score. If MEDExpress is used the examiner may fax or mail the results to the Flight Surgeon or may document the findings in block 60.
AME Office Inspection	AME office inspections: The inspector must visually inspect the condition of the color vision test instrument, for fading, finger prints, pen or pencil smudges; and lights used. Only a Macbeth Easel or a Verilux True Daylight Illuminator (F15T8VLX) are acceptable. Room lights must be off.
False Negatives	Any test device with a restricted test set, like the Titmus testers, generally have a high false alarm test. If a disproportionally high number of subjects are failing, it may be necessary to review the acceptability of that test instrument. Regional Medical Offices are expected to monitor this situation.

**UNACCEPTABLE TEST INSTRUMENTS FOR COLOR VISION SCREENING OF ATCS**  
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AOC-PIP	Mast	Stereo-Optic
Bausch & Lomb Vision Tester D-15	OPTEC 900, 2500*, 5000*	Titmus i400*
	Prism	Vision Chart - color letters
FALANT H-O Chart	Richmond-HRR Versions 2 and 3 Schilling	

Any computer applications, downloaded, or printed versions of color vision tests are prohibited.